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A 10-month program to be conducted cooperatively by the Springfield Technical Institute and Mercy Hospital, Springfield, consists of 1206 hours, including 700 hours of clinical practice, and aims at preparation to (1) administer gases by means such as catheter, tents, hoods, (2) assemble and apply pressure devices to the patient, (3) assemble equipment for and instruct the patient in aerosol therapy, (4) maintain, service, and repair equipment, and (5) maintain records on patients receiving inhalation therapy. Component courses in a proposed curriculum are briefly described. Text and reference books, films and other audiovisual aids, field trips, and equipment available and techniques performed at Mercy Hospital are listed. Sample experience records and evaluation forms are included. (JK)

ED023798

SPRINGFIELD TECHNICAL INSTITUTE
Springfield, Massachusetts

INHALATION THERAPY TECHNICIANS

Preface:

As a direct outgrowth of our recent scientific advances and the rapidly growing demand for health services, a vast number of technical workers will be needed to augment the hospital Health Team. Providing services for our growing population and nation's health needs poses an urgent challenge to our educational and community resources.

The importance of Inhalation Therapy as a paramedical specialty is growing. As a result, doctors and hospitals are becoming more interested in setting up Inhalation Therapy Departments for the first time.

In an effort to alleviate existing shortages, impetus and recognition is given to the role of the health service technician. Under the joint sponsorship of educational and hospital institutions knowledge and technical skills are being developed as a cooperative venture. Emergent as a result of this training is a large field of health service workers who can perform routine supportive procedures organized, delegated and carried out under supervision of professional personnel.

In November, 1965 professional staff members of the Mercy Hospital and the Springfield Technical Institute first met to discuss the initial plans for training Inhalation Therapy Technicians. Following a study of the "Guide Book for an Approved School of Inhalation Therapy" formulated by the Board of Schools of Inhalation Therapy, a Curriculum Committee developed a proposed curriculum guide including didactic teaching and laboratory experience, to be submitted for approval and certification by the following agencies:

The Springfield Public School System

Mercy Hospital, Springfield, Massachusetts

The Commonwealth of Massachusetts
Bureau of Vocational Education

The AMA Board of Schools of Inhalation Therapy

Date: _____ Signed: _____

Assistant Director

VT003244

INHALATION THERAPY TECHNICIANS

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1. *DEFINITION OF INHALATION THERAPY

Inhalation Therapy is that therapy designed to restore toward normal pathophysiologic alternations of gas exchange in the cardiopulmonary system. It aims at adequate oxygenation as well as proper elimination of carbon dioxide.

Such therapy is accomplished by means of the proper application of therapeutic gases, including oxygen, helium-oxygen, and carbon dioxide mixtures; the use of pressure breathing devices, resuscitators and respirators to promote artificial ventilation and respiration; the administration of aerosols to improve the airway of the pulmonary system by relieving bronochospasm, liquefying secretions and combating infections; and the use of artificial airways to relieve obstruction.

2. OUTLINE OF RECOMMENDED PROCEDURES AND SCOPE OF PROCEDURES TO BE PERFORMED IN HOSPITALS BY INHALATION THERAPY TECHNICIANS

The inhalation therapy technician should be capable of complying with orders written by an attending physician regarding the following procedures.

a) Administration of gases by catheter, tents, hoods, etc.

b) The assembling and application to the patient of pressure devices including those for IPPB (intermittent positive pressure breathing) expiratory pressure masks, respirators (Drinker and other types) and various resuscitators (Kreiselman, Emerson).

c) The instructions to the patient and assembly of equipment for aerosol therapy with respect to nebulizer, oxygen tanks and motor blowers.

In addition, the technician should be responsible for the maintenance, service, care and repair of the forementioned equipment. He should also be responsible for the maintenance of records on all patients receiving inhalation therapy.

Comment:

It should be emphasized as noted in the introductory sentence to this item, that the technician complies and follows orders that are written by the physician. In other words, the technician, under no circumstances would ever be in a position to independently decide on a mode of inhalation therapy.

*AMERICAN ASSOCIATION OF INHALATION THERAPY

MERCY HOSPITAL FACULTY
Springfield, Massachusetts

	Teaching Experience	Specialized Work Experience
CUMMINGS, WILLIAM J., M.S. Anesthesiologist, A.B.A. Theory of Applied Sciences and Inhalation Therapy as applied to Clinical Medicine	10 years	10 years
ANGELINE, SISTER MARY, S.P., R.N.A. Supervisor, Inhalation Therapy Service	20 years	20 years
HOAG, RICHARD Chief Therapist, Inhalation Therapy Service Theory and Practice for Procedures and Practice for Applications to Clinical Medicine	1 year	2 years
CARNEY, FRANCIS Therapist Assisting Chief Therapist in Teaching Assignments	1 year	1 year

SPRINGFIELD TECHNICAL INSTITUTE
Springfield, Massachusetts

FACULTY

INHALATION THERAPY TECHNICIANS

	Teaching Experience	Specialized Work Experience
GARVEY, EDMOND P., B.S.ED., M.Ed. Director	10 years	14 years
THOMPSON, TERESINA B., B.S., M.Ed. Assistant Director	24 years	15 years
TRIGGS, RITA, B.S., M.Ed. Guidance Counselor	14 years	7 years
STANTON, WALTER E., B.S., M.Ed. Guidance Counselor	16 years	5 years
ENGLISH, DR. WALTER H., A.B., A.M., Ed.D. Guidance Counselor	25 years	9 years
BOGAN, JEAN, B.A., M.A. English	3 years	None
BURZYNSKI, HELEN, R.N., B.S., M.A. Anatomy and Physiology Ethics Nursing Arts Terminology	14 years	11 years
LABRECQUE, RITA, R.N., B.S., M.S. Psychology	5 years	18 years
MUSGROVE, ELLEN, B.S., Ed., M.Ed. Business Practice	35 years	None
TAYLOR ALBERTA S., B.S. Nutrition	13 years	9 years
WRIGHT, JANET, B.A., M.T. (ASCP) Bacteriology	4 years	12 years

ADVISORY COMMITTEE

Cummings, Dr. William J.	Mercy Hospital 233 Carew Street Springfield, Massachusetts	Anesthesiologist
Vincentius, Sister Mary, S.P.	Mercy Hospital 233 Carew Street Springfield, Massachusetts	Administrator
Angeline, Sister Mary, S.P.	Mercy Hospital 233 Carew Street Springfield, Massachusetts	Supervisor of Inhalation Therapy Department
Bennett, Dr. Nathaniel	646 Sumner Avenue Springfield, Massachusetts	Physician
Moore, Lt. John R.	814th Medical Group Westover Air Force Base Chicopee, Massachusetts	Administrative Officer and Educational Coordinator of Paramedical Programs
LaBrecque, Dr. Donald	140 Chestnut Street Springfield, Massachusetts	Physician
Mitton, Miss Anne R., R.N.	Wesson Memorial Hospital 140 High Street Springfield, Massachusetts	Director of Nursing Service
Robertson, Robert J.	Wing Memorial Hospital Palmer, Massachusetts	Administrator
Thompson, Mrs. Teresina B.	Springfield Technical Institute 1300 State Street Springfield, Massachusetts	Assistant Director
Triggs, Mrs. Rita S.	Springfield Technical Institute 1300 State Street Springfield, Massachusetts	Counselor
Burzynski, Mrs. Helen, R.N.	Springfield Technical Institute 1300 State Street Springfield, Massachusetts	Medical Assistant Instructor, Externship Coordinator and Supervisor

MERCY HOSPITAL
AND
SPRINGFIELD TECHNICAL INSTITUTE
Springfield, Massachusetts

(Proposed Basic Curriculum for Inhalation Therapy Technicians)

PRE-CLINICAL

	HOURS
A. BASIC SCIENCES	
Anatomy and Physiology (1)	40
Bacteriology	20
Chemistry	10
Psychology	20
B. RELATED SCIENCES	
Terminology	20
Nutrition	20
Business Practice	80
C. COMMUNICATION SKILLS	40
D. ETHICS AND ADMINISTRATION	15
E. NURSING ARTS AND LABORATORY PRACTICE	50
Total	315

CLINICAL

A. APPLIED SCIENCES	
Physics and Chemistry	12
Anatomy and Physiology (2)	20
Pathology	12
B. THEORY OF PROCEDURES	102
C. CLINICAL APPLICATION OF INHALATION THERAPY	
Emergencies	6
Medicine	12
Obstetrics	6
Pediatrics	6
General Surgery	6
Thoracic Surgery	6
Neuro Surgery	3
D. CLINICAL PRACTICE (Shared)	
Springfield Technical Institute	200
Mercy Hospital	500
Total	891
GRAND TOTAL	1,206

INHALATION THERAPY TECHNICIANS

PROPOSED CURRICULUM

MERCY HOSPITAL IN COOPERATION WITH SPRINGFIELD TECHNICAL INSTITUTE

(Ten Calendar Months)

PRE-CLINICAL

A. BASIC SCIENCES		HOURS
1. Anatomy and Physiology (1)	Helen Burzynski, R.N.	40

A concise survey of the normal structures and functions of the human body. Each system of the body is studied. Some structural anamolies and functional dysfunctions are discussed. Particular emphasis is placed on the organs of respiration and circulation and the principle of oxygen transport and tissue metabolism.

2. Bacteriology	Janet Wright, M.T. (ASCP)	20

The basic outline includes microbiological principles and techniques, spread of disease, theory of immunization and infections caused by bacteria. Lectures and demonstrations are followed by supervised practice in routine procedures including smears, cultures and staining technique.

3. Chemistry	Helen Burzynski, R.N.	10

Urine and blood.

4. Psychology	Rita LaBrecque, R.N.	20

A study of principles of psychology that will be of assistance in the understanding of the inter-personal relations of the hospital health team. Motivation feelings and emotions and learnings are considered with particular reference to their application to on-the-job problems. Attention is given to personal and group dynamics so that the student may learn to apply the principles of mental hygiene to his adjustment problems as a worker and a member of the community.

B. RELATED SUBJECTS		
1. Terminology	Helen Burzynski, R.N.	20

An introductory course designed to acquaint the student with medical language. The complex nomenclature is broken down by the study of prefixes and suffixes correlated with an analysis of many compound and complex words. Emphasis is placed on the spelling of medical terms and includes a study of words to enable the student to compile the records on all patients receiving inhalation therapy as ordered by the physician.

B. RELATED SUBJECTS (continued) — HOURS

2. Nutrition — Alberta Taylor — 20

The nutritional needs of the assistant, the patient and the members of the patient's family along with the promotion of community health through good nutrition are all encouraged. The work includes a study of the functions of food and principles of dietary planning. A part of the course is devoted to the modification of the adequate diet in the treatment of disease.

3. Business Practice — Ellen Musgrove — 80

The building of medical vocabulary is emphasized with the further development of typewriting speed and accuracy. The course gives the student a practical working knowledge of office procedures, conduct and attitudes. Time is allotted for discussion of the routine organization of the department. Also included is the study and practice of keeping medical records, filing, telephone techniques and business ethics.

C. COMMUNICATION SKILLS — Jean Bogan — 40

This course is designed to improve the student's speaking, reading, writing and listening skills and to help her to grow in language power through the development of correct habits of careful, forceful expression. The course material covering the four basic skills has been correlated so that the methods used in these four areas are complementary parts of the whole communication process.

D. ETHICS AND ADMINISTRATION — Helen Burzynski, R.N. — 15

This course aims to develop understanding of the technician's role as a member of a vocation; functions, legal and ethical rights and responsibilities as a practitioner; relationships to other members of the health team and factors which contribute to her personal and vocational growth. Opportunity is provided to consider some of the recurring personal and vocational problems which confront the technician. Content from this area is integrated into all the courses and the clinical experiences, since problems and situations appropriate to this area are often confronted during clinical practice.

E. NURSING ARTS AND LABORATORY PRACTICE — Helen Burzynski, R.N. — 50

A General course presenting theory and planned student activity in techniques, skill and behavior. Emphasis is placed on principles basic to successful performance of simple procedures of patient care for comfort and handling, recognition of cardinal symptoms and methods of sterilization of equipment.

Total 315

INHALATION THERAPY TECHNICIANS

PROPOSED CURRICULUM

MERCY HOSPITAL IN COOPERATION WITH SPRINGFIELD TECHNICAL INSTITUTE

Springfield, Massachusetts

CLINICAL

Lecturer: Dr. William J. Cummings

HOURS

A. APPLIED SCIENCES

1. Physics and Chemistry — 12

The basic physical principles of the behavior of matter are presented with special attention given to gases and liquids. The practical and clinical applications of these principles are brought out in the discussion.

2. Anatomy and Physiology (2) — 20

A continuation of the basic course with a more detailed discussion of the respiratory and circulatory systems. A presentation of acid-base balance is given including a review of the role of oxygen and carbon dioxide as they apply to inhalation therapy. An introduction to pulmonary function tests is started in the discussion of the respiratory system.

3. Pathology — 12

A description is given to tissue and organ changes of diseases of the respiratory and circulatory systems which would be encountered in the practice of inhalation therapy.

B. THEORY OF PROCEDURES (Mr. Hoag and Miss Carney) — 102

C. CLINICAL APPLICATION OF INHALATION THERAPY (Mr. Hoag and Miss Carney)

1. Emergencies — 6

The causes and treatments of a variety of respiratory and cardiac emergencies is presented.

2. Medicine — 12

The medical aspects of the etiology, clinical description and treatment, with special reference to inhalation therapy, of the important diseases of the respiratory and cardiovascular systems is discussed.

C. CLINICAL APPLICATIONS OF INHALATION THERAPY (Continued) — HOURS

3. Obstetrics — 6

The application of the principles of inhalation therapy to obstetrics is presented with special reference to the physiology of birth and the newborn.

4. Pediatrics — 6

A brief resume of the anatomy and physiology of the respiratory and circulatory systems of the child is used as an introduction to respiratory and circulatory disease as it applies to the pediatric patient.

5. General Surgery — 6

The major types of major surgery are discussed and the application of the principles of inhalation therapy to the pre- and postoperative care of these patients is presented.

6. Thoracic Surgery — 6

A discussion of the special needs of thoracic surgery is given including a presentation of the preoperative evaluation of the patient including pulmonary function tests.

7. Neuro Surgery — 3

The special role of the brain in body function is presented along with the consequences of disturbances of this function and the methods of treatment as they apply to inhalation therapy.

D. CLINICAL PRACTICE — 700

Total 891

GRAND TOTAL 1,206

INHALATION THERAPY TECHNICIANS
SCHEDULES FOR THEORY OF PROCEDURES

JANUARY	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		Orientation..... Mr. Hoag.....	.....	Medical Gases.. Miss Carney....	.....	.....	
		Reducing Valves.. Mr. Hoag.....	.....	Humidifiers Inhalators Miss Carney	Cannulas, Masks Catheters..... Mr. Hoag.....	.....	
		Chambers & Hoods Mr. Hoag	Oxygen Tents..... Miss Carney.....		Croup Tents.....	.....	
		Incubator Miss Carney	Analyzers..... Mr. Hoag.....		Field Trip	Review Mr. Hoag Miss Carney	
FEBRUARY		Exam.	Resuscitators Respirators..... Mr. Hoag.....		.....	.....	
		.....	.....	.....	.....	.....	
		Exam.	Nembulizers, Aerosols, Compressors Mr. Hoag.....		Nursing Arts Miss Carney	Ethics Mr. Hoag	
				VACATION			
MARCH		Pulmonary Function..... Miss Carney.....	.....	.....	.....	.....	
		.....	.....	.....	.....	.....	
		Administration..... Mr. Hoag.....	.....	Sterilization	Review..... Mr. Hoag, Miss Carney		
		FINAL EXAM.					
APRIL, MAY, JUNE		Clinical Practice					

	THEORY	OBSER-VATION	Practice	RATING	Additional Practice
MEDICAL GASES					
Setting up tanks					
Setting up gage and regulator					
Flowmeter					
Bubbler					
Humidifier					
Cannula					
Catheter					
Mask					
Oxygen Tent					
Oxygen Analyzer					
Tracheostomy Mask					
HUMIDIFICATION					
Compressors & Nembulizers					
Cold Steam Humidifiers					
Heated Nembulizers					
Ultrasonic Nembulizers					
Humidity Room					
Humidiguides					
Open Top Tent (Pediatric)					
Croup Tents					
Humidity Tent					
Incubators					
Postural Drainage					

INHALATION THERAPY PROCEDURES

	THEORY	OBSER-VATION	Practice	RATING	Additional Practice
VENTILATION AIDS					
IPPB MACHINE					
Bird - Mark 7					
Mark 10					
Bennett - PR-1					
Isuprel					
Alevaire					
Tergemist					
Mucomyst					
Alcohol					
VENTILATOR					
Bird - Mark 17					
WRIGHT SPIROMETER					
PHYSIOTHERAPY					
Breathing Exercise					
Walking Ventilation					
RESUSCITATION					
Resuscitator					
Suction Machine					
Ambu					
Cardiac Monitor					
Closed Chest Massage					
Airways					
PULMONARY FUNCTION					
Collins Spirometer					
Emerson Vent-tube					

INHALATION THERAPY TECHNICIANS

CONDITIONS AND DISEASES TREATED

	THEORY	PRACTICE
EMERGENCIES		
Cardiac Arrest		
Respiratory Arrest		
Respiratory Insufficiency		
Trauma, upper airway		
Trauma, chest		
Pneumo thorax		
Collapsed lung		
Foreign body obstruction		
Drug poisoning		
Aspiration		
Tracheostomy		
CNS Trauma		
Smoke inhalation		
Inhalation noxious gases		
Status asthmaticus		

INHALATION THERAPY TECHNICIANS

CONDITIONS AND DISEASES TREATED

	THEORY	PRACTICE
MEDICINE		
Acute bronchitis		
Chronic bronchitis		
Bronchiectasis		
Asthma		
Emphysema		
Pulmonary Fibrosis		
Atelectasis		
Pneumonia		
Pulmonary Edema		
Poliomyelitis		
Tuberculosis		
Tetanus		
Myasthenia gravis		
Muscular dystrophy		
CO_2 narcosis		

INHALATION THERAPY TECHNICIANS

CONDITIONS AND DISEASES TREATED

	THEORY	PRACTICE
OBSTETRICS AND PEDIATRICS		
Fetal distress		
Premature baby		
Apnea of newborn (narcosis)		
Birth trauma		
Atelectasis of newborn		
Hyaline membrane disease		
Pneumonia		
Laryngitis (croup)		
NEUROSURGERY		
C.V.A.		
Craniotomy		
Brain tumor		
Intracranial aneurysm		

INHALATION THERAPY TECHNICIANS

CONDITION AND DISEASES TREATED

	THEORY	PRACTICE
GENERAL SURGERY		
Preop. Pulmonary Disease		
Postoperative:		
atelectasis		
pneumonia		
respiratory depression		
THORACIC SURGERY		
Pneumo thorax		
Lobectomy		
Pneumonectomy		
Thoracotomy		
Tracheostomy		
Flail chest		

MERCY HOSPITAL AND SPRINGFIELD TECHNICAL INSTITUTE

INHALATION THERAPY TECHNICIANS

EVALUATION FORM

	RATINGS			
	Above Average	Average	Below Average	Not Acceptable
Personal Appearance				
Professional Attitude				
Ability to get along with others				
Ability to take and follow directions				
Proper performance of duties				

Comments:

Overall Evaluation:

Date:_____ Signature:_____

INHALATION THERAPY TECHNICIANS

AVAILABLE HOSPITAL FACILITIES

(MERCY HOSPITAL)
Springfield, Massachusetts

ITEM 24

Flowmeters - Melco - pressure compensated	25
Reducing Regulators	
One stage	25
Two stage	33
Three stage	1
Catheter Equipment - Barolic disposable - stock item	
Humidifiers	
Bubblers	42
Bubble Jct.	9
Humidifiers	5
IPPB	
Bird - Mark 7	2
Mark 10	1
Bennett PR - 1	1
Humidity Tent - Heidbrink c Melco Fog Generator	1
Pulmonary Function Equipment	
Collins Spirometer - 9 liter, 3 speed	1
Phipps and Bird Meter	1
Douglas Bag	1
Emerson Vent Tube	1
Wright Spirometer	1
Barometer, mercury	1
Expiratory Pressure Masks	0
Aerosol Generators	30
Heated Aerosol Equipment	7
Oxygen Tents - (See Humidity Tent)	
Oxygen Masks - Hudson, disposable - stock item - five varieties	
Hyperbaric Chambers	0
Analyzers - Oxygen	2
Infant Tents	
Tents	8
Incubators	6

AVAILABLE HOSPITAL FACILITIES (Continued)

ITEM 24

Automatic Lung Ventilators	
Bird - Mark 17	1
Face Tents	1
Hypothermia Equipment	1
Cough Machines	0

MAJOR EQUIPMENT PURCHASED DURING PAST YEAR

1 Bird Mark 10 Respirator

1 Bird Mark 17 Respirator

1 Bennett PR - 1 Respirator

1 DeVilbiss Ultrasonic Nebulizer

1 Air Shields, Universal Croupette

1 Wright Spirometer

1 Collins (9 liter) Respirometer

1 Cascade Humidifier

MERCY HOSPITAL
Springfield, Massachusetts

TYPES OF TECHNIQUES

January 1965 - January 1966

	NUMBER
I. O_2 THERAPY TECHNIQUE	
O_2 Catheter	85
O_2 Cannula	1,078
O_2 Mask	99
Tracheotomy Unit	6
O_2 Tent	8
Croupette	65
Infant Hood	8
Incubator	3
II. HIGH HUMIDITY TECHNIQUE	
High Humidity Tent	4
Humidifier	33
Ultrasonic Nebulizer	2
III. VENTILATION TECHNIQUE	
Assisted & Controlled Vent	18
IPPB Treatments	4,443
IV. (MISC.) TREATMENTS	
Aerosol Therapy - Nebulizer	393
Ultrasonic	213
IPPB w/ Ultrasonic	32
CO_2/O_2	10
V. PULMONARY FUNCTION TESTING	8

SUPPLEMENTARY TEACHING AIDS

MERCY HOSPITAL - REFERENCE BOOKS

ASPHYXIA NEONATORIUM, Windle, 1950
TREATMENT OF RESPIRATORY EMERGENCIES INCLUDING BULBAR POLIOMYELITIS, Gallaway, 1953
OXYGEN THERAPY, Comroe and Dripps, 1953
THE CHEMISTRY AND PHYSICS OF ANESTHESIA, Adriani, 1962
THE ART OF RESUSCITATION, Flagg, 1944
FIRST AID AND RESUSCITATION, Young, 1954
PHYSIOLOGIC THERAPY IN RESPIRATORY DISEASES, Barach, 1948
THE LUNG, Comroe et al, 1962
PHYSICS FOR THE ANESTHETIST, MacIntosh and Maskin, 1947
INHALATION THERAPY AND RESUSCITATION, Saklad, 1953
THE PHARMACOLOGICAL BASIS OF THERAPEUTICS, Goodman and Gilman, 1964
RESPIRATORY FUNCTION IN DISEASE, Bates and Christie, 1965
RESPIRATORY CARE, Bendixen et al, 1965
RESPIRATORY THERAPY, Peter Safar, 1965
SYMPOSIUM ON INHALATION THERAPY, Anesthesiology Journal
CLINICAL CARDIOPULMONARY PHYSIOLOGY, Gordon et al, 1960
DISEASES OF THE CHEST, Hinshaw, 1956
THORACIC DISEASES, Rubin, 1961
COMPLICATIONS IN SURGERY AND THEIR MANAGEMENT, Artz and Hardy, 1960
THE RECOVERY ROOM, Sadove and Cross, 1956
THORACIC SURGERY, Sweet, 1951

SPRINGFIELD TECHNICAL INSTITUTE - TEXT BOOKS

MEDICAL ASSISTANT, Bredow
TEXTBOOK OF ANATOMY AND PHYSIOLOGY, Anthony
PSYCHOLOGY FOR LIVING, Sorenson and Malm
BASIC NUTRITION AND DIET THERAPY FOR NURSES
COMMUNICATION PROBLEMS, Stewart, Lanham, Zimmer
BANK RECONCILIATION PROJECTS, McCullough and Everard
A PRIMER IN MEDICAL TECHNOLOGY, Kraemer

SPRINGFIELD TECHNICAL INSTITUTE - REFERENCE BOOKS

ANATOMY AND PHYSIOLOGY, Kimber and Grey
PRACTICAL NURSING, Rapier et al
THE PRACTICAL NURSE, Brownell and Culver
CLINICAL DIAGNOSIS BY LABORATORY METHODS, Todd and Sauford
IN THE DOCTOR'S OFFICE, Parsons
GUIDE TO MEDICAL TERMINOLOGY, Clark
THE MERCK MANUAL, March and Company
CLINICAL LABORATORY METHODS, W.E. Bray
PRINCIPLES OF ETHICS, Moore
ELEMENTS OF BIOLOGY, Smallwood, Beverley, Bailey
PERSONAL AND COMMUNITY HYGIENE, Turner
SOUND BODY, Charters, Strang
UNDERSTANDING YOURSELF, Menninger
SIMPLIFIED NURSING, Dakin and Thompson
HANDBOOK FOR THE MEDICAL SECRETARY, Bredow

SPRINGFIELD ACADEMY OF MEDICINE

MEDICAL LIBRARY

SUPPLEMENTARY TEACHING AIDS (Continued)

SPRINGFIELD TECHNICAL INSTITUTE LIBRARY

SPRINGFIELD TECHNICAL INSTITUTE, (approximate) 2500 Volumes
APPLIED SCIENCES AND TECHNICAL INDEX SERVICE
CUMULATIVE BOOK INDEX
READERS GUIDE TO PERIODICAL LITERATURE

MAGAZINES

"Anesthesiology Journal"
"Clinical Symposium", Ciba
"Laboratory Management"
"Nursing World", Nursing World Publications
"American Journal of Nursing", A.N.A.
"Public Health Nursing", N.A. of P.N.A.
"Science News Letter", Science Service
"Lab. World", Science Service, Inc.

FILMS

From One Cell	Springfield Public School System
The Human Machine	Springfield Public School System
Cell Division	Springfield Public School System
The Human Body	Springfield Public School System
Where Life Begins	Heart Association
About the Human Body	Heart Association
First Contact - The M.A.	Wyeth
The Dr. Exams Your Heart	Heart Association
Body Defenses Against Disease	Springfield Public School System
High Blood Pressure	Heart Association
Principles of Development	Public Health Department
Immunization	Cyanamide
Mechanics of Breathing	Springfield Public School System
Obesity	Heart Association
How to Catch a Cold	T.B. Association
Nose, Throat and Ears	Public Health Department
Drugs (Slide Film)	Smith, Kline
Research for Health	Smith, Kline
Man Against Microbe	M.L.I.
Vitamin / Def.	M.L.I.
Disorders of the Heart Beat	Heart Association
Circulation	Heart Association
The Heart - How It Works	Springfield Public School System
The Smallest Toe	Cyanimid
Inflammatory Reaction	Cyanimid
The Story of the Blood - (2 pts.)	Springfield Public School System
The Work of the Blood	Springfield Public School System
Varicose Veins	Heart Association
If These Were Your Children	M.L.I.
Mr. Tinley's Feelings	M.L.I.
Rehabilitation of Emotionally Disturbed	Wyeth
Delinquent Child	
The Brain is the Reason	Springfield Public School System
Sterilization in Dr.'s Office	Springfield Public School System
Eyes and How They Work	Springfield Public School System
How We Hear	Public Health Department
Magic Pathway	Public Health Department
Perkins Story & Children of the Night	Public Health Department
Endocrines	Springfield Public School System
Edema and Mercurial Duiresis	Wyeth
Sterilization Procedures for the Medical Office	
Kidney Function	
Biography of Unborn	University of Massachusetts
Story of Menstruation	Public Health Department
Human Reproduction	Public Health Department
Heredity	Springfield Public School System
Time and Two Women	Springfield Public School System
Self Breast Examination	Springfield Public School System
Intermittent Positive Pressure Breathing	Puritan Co.
IPPB and Aerosol Therapy	Puritan Co.

INHALATION THERAPY TECHNICIANS

AUDIO VISUAL AIDS

CHARTS	Graphic Health Charts, Nystrom Projectuals for use with overhead projector
DISPLAY CARDS	Anatomy of Lung Respiratory Curves
SLIDES	Microscopic Operation of Bird IPPB Machine Respiratory Physiology
MODELS	Anatomical Torso, male and female, skeleton, human, Chase dolls eye, ear, human skin, gastrointestinal trace "Resusci Anne"
SOCIAL DYNAMICS	
TAPES	AAIT Service
DEMONSTRATIONS	Nursing Arts - Laboratory Tests - Clinical Training
FIELD TRIPS	Children's Hospital - Boston, Massachusetts Community Hospitals Northampton State Hospital - Northampton, Massachusetts Public Health Department - Springfield, Massachusetts Municipal Hospital - Springfield, Massachusetts Westover Air Force Base Hospital - Chicopee, Massachusetts Hartford Rehabilitation Center - Hartford, Connecticut AAIT meetings scheduled in special areas pertaining to learning situation